Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1.   (Currently amended) A method for processing a notification sent from a sending device to a receiving device, comprising:

receiving the notification that includes a tagged value that indicates a count;

receiving a synchronization key from the sending device;

determining a current synchronization state by comparing the received synchronization key to a stored synchronization key, wherein the synchronization state of the receiving device and the synchronization state of the sending device are at a desired synchronization level when the received synchronization key has the same value as the stored synchronization key;

setting a synchronization currently in process state when a synchronization is in process;

setting a synchronization currently not in process state when a synchronization is not in process;

generating a current synchronization checkpoint count value based on the current synchronization state;

comparing the count of the tagged value to the current synchronization checkpoint count value; and

processing the notification when the count of the tagged value is current with respect to the current synchronization checkpoint count value, otherwise managing the notification.

2.   (Cancelled)

3.   (Currently amended) The method of Claim 1 [[2]], wherein managing the notification further comprises determining when the current synchronization state is set to the synchronization currently in process state, and when:

discarding the notification when the count of the tagged value is stale with respect to the current synchronization checkpoint count value; and

handling the notification when the count of the tagged value is out-of-date with respect to the current synchronization checkpoint count value.

4.   (Previously presented) The method of Claim 3, wherein handling the notification when the count of the tagged value is out-of-date with respect to the current synchronization checkpoint count value, further comprises determining if the count of the tagged value corresponds to a lost request key, and if so processing the notification, otherwise discarding the notification.

5.   (Currently amended) The method of Claim 1 [[2]], wherein processing the notification further comprises determining when the synchronization currently in process state is set, and when:

queuing the notification when the count of the tagged value is current with respect to the desired synchronization level;

discarding the notification when the count of the tagged value is stale with respect to the desired synchronization level or out-of-date with respect to the desired synchronization level and corresponds to a sync level of a lost sync request; and

handling the notification when the count of the tagged value is out-of-date with respect to the desired synchronization level.

6.   (Previously presented) The method of Claim 5, further comprising processing the notification when the synchronization currently not in process state is set.

7.   (Currently amended) A computer-readable medium having computer-executable instructions for processing a notification sent from a sending device to a receiving device, comprising:

receiving the notification that includes a tagged value that indicates a count;

receiving a synchronization key from the sending device;

determining a current synchronization state by comparing the received synchronization key to a stored synchronization key, wherein the synchronization state of the receiving device

and the synchronization state of the sending device are at a desired synchronization level when

the received synchronization key has the same value as the stored synchronization key;

> setting a synchronization currently in process state when a synchronization is in process;

> setting a synchronization currently not in process state when a synchronization is not in

process;

> generating a current synchronization checkpoint count value based on the current

synchronization state;

> comparing the count of the tagged value to the current synchronization checkpoint count

value; and

> processing the notification when the count of the tagged value is current with respect to

the current synchronization checkpoint count value, otherwise managing the notification.

8.   (Cancelled)

9.   (Currently amended) The computer-readable medium of Claim 7 [[8]], wherein

managing the notification further comprises determining when the current synchronization state

is set to the synchronization currently in process state, and when:

> discarding the notification when the count of the tagged value is stale with respect to the

current synchronization checkpoint count value; and

> handling the notification when the count of the tagged value is out-of-date with respect to

the current synchronization checkpoint count value.

10.   (Previously presented) The computer-readable medium of Claim 9, wherein

handling the notification when the count of the tagged value is out-of-date with respect to the

current synchronization checkpoint count value, further comprises determining if the count of the

tagged value is current with respect to a lost request key, and if so processing the notification,

otherwise discarding the notification.

11.   (Currently amended)   The computer-readable medium of Claim 7 [[8]], wherein processing the notification further comprises determining when the synchronization currently in process state is set, and if so:

queuing the notification when the count of the tagged value is current with respect to the desired synchronization level;

discarding the notification when the count of the tagged value is stale with respect to the desired synchronization level or out-of-date with respect to the desired synchronization level and current with respect to a sync level of a lost sync request; and

handling the notification when the count of the tagged value is out-of-date with respect to the desired synchronization level.

12.   (Previously presented)   The computer-readable medium of Claim 11, further comprising processing the notification when the synchronization currently not in process state is set.

13.   (Currently amended)   A system for synchronizing data, comprising:

a processor and a computer-readable medium;

an operating environment stored on the computer-readable medium and executing on the processor;

a communication connection device operating under the control of the operating environment; and

a notification device operating under the control of the operating environment and operative to perform actions, including:

receiving a notification from a sending device, wherein the notification has a tagged value that indicates a count;

receiving a synchronization key from the sending device;

determining a current synchronization state by comparing the received synchronization key to a stored synchronization key, wherein a desired synchronization value is established with the sending device when the received synchronization key has the same value as the stored synchronization key;

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setting the synchronization state to a currently in process state when a synchronization is currently in process, otherwise setting the synchronization state to a synchronization currently not in process state; ~~and~~

processing the notification based on the count of the tagged value and the synchronization state: and

determining when the synchronization state is set to the synchronization currently not in process state.

14.   (Currently amended) The system of Claim 13, wherein ~~processing the notification based on the count of the tagged value and the synchronization state, further comprises determining~~ when the synchronization state is set to the synchronization currently not in process state, the notification device being further operative to perform actions, including ~~and when~~:

processing the notification when the count of the tagged value is current with respect to a current synchronization checkpoint count value;

discarding the notification when the tagged value is stale with respect to the current synchronization checkpoint count value or out-of-date with respect to the desired synchronization value and current with a lost sync request; and

handling the notification when the count of the tagged value is out-of-date with respect to the current synchronization checkpoint count value.

15.   (Previously presented) The system of Claim 14, wherein handling the notification when the count of the tagged value is out-of-date with respect to the current synchronization checkpoint count value, further comprises determining if the count of the tagged value is current with respect to a lost request key, and if so, processing the notification, otherwise discarding the notification.

16.   (Previously presented) The system of Claim 15, wherein processing the notification based on the count of the tagged value and the synchronization state, further comprises determining when the synchronization currently in process state is set, and when:

queuing the notification when the count of the tagged value is current with respect to the desired synchronization value;

discarding the notification when the count of the tagged value is stale with respect to the desired synchronization value; and

handling the notification when the count of the tagged value is out-of-date with respect to the desired synchronization value.

17.   (Previously presented) The system of Claim 16, further comprising processing the notification when the synchronization currently not in process state is set.